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APPARATUS AND METHOD FOR PROCESSING SENSOR OUTPUT SIGNALS

ABSTRACT

A method and apparatus are provided for generating a vehicle control signal that controls a function of a vehicle device associated with a sensed event. The apparatus comprises a first sensor that is configured to provide a first sensor output signal having a first magnitude that approximately corresponds to a sensed event with a first accuracy and second sensor that is configured to provide a second sensor output signal having a second magnitude that approximately corresponds to the sensed event with a second accuracy that is less than the first level of accuracy. The apparatus also comprises a processor that is configured to receive the first sensor output signal, receive the second sensor output signal, calculate a magnitude for the vehicle control signal based on an average of a weighted value of the first magnitude and the second magnitude, generate the vehicle control signal with the magnitude, and provide the vehicle control signal to the vehicle device.